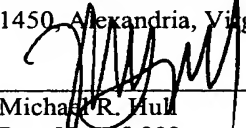


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|--------------------------------------|---|------------------------------------------------------------------------------------|
| Applicant: Jong Goo Jung |) | I hereby certify that this paper and the |
| |) | documents referred to as enclosed |
| Serial No.: To be assigned |) | therewith are being deposited with the |
| |) | United States Postal Service as first class |
| Filed: June 25, 2003 |) | mail, postage prepaid, on June 25, 2003 , |
| |) | in an envelope addressed to |
| For: Method for Manufacturing Metal |) | Commissioner for Patents, P.O. Box |
| Line Contact Plugs for Semiconductor |) | 1450, Alexandria, Virginia 22313-1450. |
| Devices |) |  |
| |) | Michael R. Hull |
| Group Art Unit: To be assigned |) | Reg. No. 35,902 |
| |) | Attorney for Applicant |
| Examiner: To be assigned |) | |

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith for consideration by the examiner are copies of the documents identified on the attached PTO-1449. Entry and consideration of the submitted documents is solicited.

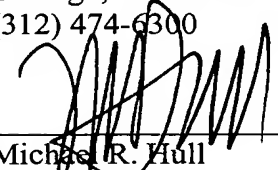
The Commissioner is authorized to charge any fee deficiency required by this paper, or credit any overpayment, to Deposit Account No. 13-2855. A copy of this paper is enclosed.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN
6300 Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6357
(312) 474-6300

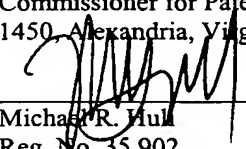
June 25, 2003

By:



Michael R. Hull
Reg. No. 35,902

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | |
|--------------------------------------|---|------------------------------------------------------------------------------------|
| Applicant: Jong Goo Jung |) | I hereby certify that this paper and the |
| |) | documents referred to as enclosed |
| Serial No.: To be assigned |) | therewith are being deposited with the |
| |) | United States Postal Service as first class |
| Filed: June 25, 2003 |) | mail, postage prepaid, on June 25, 2003 , |
| |) | in an envelope addressed to |
| For: Method for Manufacturing Metal |) | Commissioner for Patents, P.O. Box |
| Line Contact Plugs for Semiconductor |) | 1450, Alexandria, Virginia 22313-1450. |
| Devices |) | |
| |) |  |
| Group Art Unit: To be assigned |) | Michael R. Hull |
| |) | Reg. No. 35,902 |
| Examiner: To be assigned |) | Attorney for Applicant |

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith for consideration by the examiner are copies of the documents identified on the attached PTO-1449. Entry and consideration of the submitted documents is solicited.

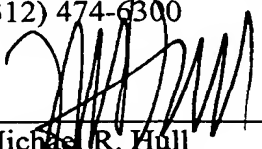
The Commissioner is authorized to charge any fee deficiency required by this paper, or credit any overpayment, to Deposit Account No. 13-2855. A copy of this paper is enclosed.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN
6300 Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6357
(312) 474-6300

June 25, 2003

By:


Michael R. Hull
Reg. No. 35,902

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|
| Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT | Atty. Docket No. | Serial No. |
| | 30205/39379 | To be assigned |
| | Applicant | |
| | Jong Goo Jung | |
| Filing Date | Group | |
| June 25, 2003 | To be assigned | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|--|-----------------|------------|-------------------|-------|----------|----------------------------|
| *Examiner Initials | | Document Number | Issue Date | Name | Class | Subclass | Filing Date if Appropriate |
| | | 6,436,834 B1 | 08/20/2002 | Lee et al. | | | |
| | | 6,468,910 B1 | 10/22/2002 | Srinivasan et al. | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--|-----------------|------------------|---------|-------|----------|-------------|----|
| *Examiner Initials | | Document Number | Publication Date | Country | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | | | | | | | | |
| | | | | | | | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | |
|------------------------------------------------------------------------|--|--|
| | | |
| | | |

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| EXAMINER | DATE CONSIDERED |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant. | |